

Project Name	Description	Impact	Area Affected	Cost
Long Term Vision for Historic EC	Selectively remove structures from the floodplain and create a linear park that enhances the remaining structures and uses along the Tiber	Avoid serial rebuilding efforts over the coming decades (and longer). Enhance visitors'	Historic Ellicott City	\$\$\$\$
EC Water Capture	Redesign parking areas and streets where appropriate to capture, store and release stormwater. Use pervious pavement, green roofs and underground storage on parking structures where appropriate.	This approach will reduce flood risk and can be done in an aesthetically appealing way that fits the historic character of Ellicott City.	Historic Ellicott City	\$\$\$-\$\$\$\$
Accessibility	Make sidewalks, commercial space, and parking areas ADA compliant	Improves accessibility for residents, businesses, visitors,	Historic Ellicott City	\$\$\$
Use Metal Shielding/Framework	Encourage metal studs/framing for rebuild	Will provide greater likelihood of a longer lasting structure	Historic Ellicott City	\$
Utility Relocation	Locate utilities underground in County owned conduit and County would lease it to private entities		Historic Ellicott City	\$\$\$\$
Elevated Development	Promote development of area between Old Columbia Pike and Maryland Ave; Maintain current Historic building façade- but build	This will help with flooding issues	Historic Ellicott City	\$\$\$\$
Proper Tenant Mix	Ensuring that properly owners fill their space (s) with 2 tenant mix that is appealing to a wide-audience and raises the value of the area	An area that is a popular live, work, play destination for the creative class and more exciting Howard County that retains	Historic Ellicott City	
Parking Solutions	Remove on-street parking to alleviate traffic and improve safety for walkers. Add parking garage to replace lost spots and provide "high and dry" parking. Will need loading areas for many businesses	Better, safer experience for residents and visitors	Historic Ellicott City	
Pedestrian Access	Safer, more accessible sidewalks and crosswalks. Wider for more room for walkers and patio seating, less on street parking to remove hazards to drivers and walkers	Friendlier destination and better experience for visitors and residents. Safer. Less potential injuries	Historic Ellicott City	

ECP	ECP sustained funding connected to the County will allow for more time and attention to represent businesses and property owner issues as well as coordinating formation of old EC	Better communication with businesses and property owners representing retail mix. Promotion, local county related	Historic Ellicott City	\$\$
Utility Relocation and underground	Locate utilities underground in County owned conduit and County would lease it to private entities		Historic Ellicott City	\$\$\$\$
Structured Garage	Accommodate at least 1,000 spots. Multiple levels	Garage will alleviate the parking need in EC. Also provide for easy flow of traffic along Main Street	Historic Ellicott City	\$\$\$\$
Infrastructure / Improve Sewer Lines	Install centrally located systems in conjunction to internal increased capacity	Issue has been a chronic problem and nuisance odors/safety concerns along with maint. Along with water quality impact all a	Historic Ellicott City	
ADA Compliance	All designs going forward are made ADA compliant and accessible. From curb cuts to residential improvements	Lessens risks	Historic Ellicott City	
Purchase repetitive loss properties	Purchase repetitive loss properties and either close them to public access, significantly modify them to reduce flood risk, or convert them to parks/memorials	Will not be great for lower EC, but could save Howard County constituents millions of dollars in taxpayer money when these	Historic Ellicott City	\$\$\$

Real Granite in EC	EC should be done with bogus stone “reconstruction” and “restoration” in the historic downtown. The monumental genuine granite walls and buildings are what make EC unique and inimitable. Reclamation from streams and other sources should be a high priority for near and long term restoration and rebuilding. A local quarry should be established as an ongoing resource for preservation. A professional who knows how to restore and rebuild these walls and structures should be hired instead of these modern solutions. These walls lasted 200+ years without much care of maintenance; there should be efforts to restore them.	Historic Character: There will be no historic character if we continue to replace walls with modern solutions. Resilient Infrastructure: The granite walls lasted more than 200 years without much care. They are more resilient than the County gives them created for. Repair them properly, and they could last another 200 years. Economy: People explore and spend money in EC because of its historic district charm and character, EC	Historic Ellicott City	\$\$\$\$
Legacy Project	Implement a Legacy Program, promoting businesses / bars / restaurants that have been in business a certain amount of time	Promotes education of historic resources while serving as an advertising tool for local business. Seems easy to accomplish via a	Historic Ellicott City	\$
Sustainability in EC	Develop simple guidelines and workshops to allow and promote sustainable alterations for properties in historic districts. This could include green roof retrofits, solar panels, rain gardens	Sustainable practices are often avoided in historic districts because of lack of knowledge and fear of historic regulations. Promotion of these ideas through guidelines and education will create a better environment and much of the financial	Historic Ellicott City	\$
Bioretention on Main	Removal of a few parallel parking spaces alternating, staggered down main street. Removed areas become green microbioretention areas, helping with stormwater management	For the removal of a few parallel spaces we get improved stormwater management down Main Street, with the added	Historic Ellicott City	
Acquisition of old EC Theater building by non-profit org to serve as Arts Center for Historic District	Arrange for a local non-profit to purchase the old EC Theater. Renovate to serve as a center for performing and visual arts.	Ongoing arts program will attract additional artists to the community and bring new visitors to attend events such as	Historic Ellicott City	\$\$\$\$

Addition of planters and flower beds at as many locations as possible	Adding plants, flower beds, and gardens at numerous locations. Use as many natives as possible and rotate varieties seasonally	Beautify the town, enhance visitor experience, and assist in a small way with storm water	Historic Ellicott City	\$
Addition of more public restrooms	Increase the number of public restrooms in town by adding multiple person restrooms at the Welcome Center and add restrooms to the Fort/Heine Property at Lot F as well as at the Patapsco Female Institute	An essential and vital visitor amenity that will enhance visitor experience in town	Historic Ellicott City	\$\$\$
Replace or remove small bridge crossing Tiber/Hudson in Lot D	Small Bridge at west end of Parking lot D is a hazard during rain events as it catches debris and forms a dam. Either remove completely or create a new arched bridge to eliminate the damming	Small Bridge at west end of Parking Lot D is a hazard during rains as it catches debris and forms a dam. Either remove	Historic Ellicott City	\$\$
Close Main St to Traffic	Close Main St to all but pedestrians during the day and evening	Shopping would be more pleasant and safer. Restaurants and bars could have outside seating. There would be more	Historic Ellicott City	
Parking Structure and Water Retaining	Parking level below grade that floods during major events, route 40 above EC	Existing large parking lots double their size vertically	Historic Ellicott City	\$\$\$\$
Reduce or eliminate on street parking; add plants, benches, crosswalks	Have parking on only one side of Main St or neither side. Create delivery only areas for required needs. Widen sidewalks and add planted areas to help mitigate runoff. Add more benches	Better water runoff management, visitor experience	Historic Ellicott City	\$\$
Better utilization of existing parking with use of shuttle service from County/State owned lots	There is substantial parking in town if the County or State owned lots are utilized on weekends by implementing shuttle service. Would need security provided for late night; could have "town ambassadors" on the shuttle to inform and entertain	Better visitor experience	Historic Ellicott City	\$\$
Crosswalk and additional sidewalk on Baltimore County side of Patapsco	It is currently very dangerous for visitors to cross from one side of Frederick Road to the other on the Baltimore County side	Better, safer visitor access	Historic Ellicott City	\$

Developing River Area	Develop areas that incorporate areas of downtown EC beside Main St. (example is river walk), elevation to support off street parking, provide safe evacuation areas	More people come to the area knowing there is a safe and friendly environment	Historic Ellicott City	\$\$\$\$
Repairing river walls with stone	Walls in Ellicott city should be repaired with real stone and done by a professional who understands stone walls from 200 years ago	The impact is it will maintain the historic character that Ellicott city needs to keep or else it will just	Historic Ellicott City	\$\$\$\$
Property Acquisition	In area of 8482 Main St. on North Side of Street is a segment of abandoned buildings (white row homes). Recommend evaluating acquisition / demolition of property and use land for water retention	Reduce flow of water to EC and Improve character of neighborhood	Historic Ellicott City	\$\$\$\$
Tax credits for flood insurance	Create a 100% (\$ for \$) tax credit for structural / residential / property owners who pay for flood insurance	More people with flood insurance, more \$ to rebuild with. Incentive for infrastructure	Historic Ellicott City	\$\$
Big pipe	Run a pipe under main street to contain water		Historic Ellicott	\$\$\$\$
Burn It down	Buy all of the west end - burn it down; create a retention pond/lake to prevent businesses	Loss of residential neighborhood, but add a public park	Historic Ellicott City	\$\$\$\$
Knock the entire town down	Give up on the historic town and knock it down	Like Daniels - walk away	Historic Ellicott	\$\$\$\$
Lift all buildings	Raise the level of all the buildings and fill all the businesses	Less property destruction	Historic Ellicott City	\$\$\$\$
Parking garages	Build parking garages w/ underground storage	Hold water	Historic Ellicott	\$\$\$\$
No parking on main street	No parking except for drop-offs and deliveries should be throughout main street. No tractor trailers should be allowed through main street. The street should become a people friendly place where it is safe to walk your dog or stroll your baby. Restaurants should have outdoor seating and benches throughout town with flower pots and flood prevention ideas should be included in a master plan	Trucks and cars will complain and the town will be a more inviting and more beautiful town. And there will be less cars to hit storefronts and to collect out of the river if a flood like this ever happens again.	Historic Ellicott City	

Widen sidewalks and remove on-street parking	Widen sidewalks and remove on-street parking. Sidewalks could be made from concrete and cobblestone. Church St. needs to be repaved and cobblestones removed from Church St. could be reused in the sidewalks.	This would make the downtown more visitor friendly. Shops would have on sidewalk dining. Removing parking could help reduce flood damage if it	Historic Ellicott City	\$\$\$\$
Bus pattern to higher parking lots	Encourage parking in higher lots by creating a bus/trolley route	More parking/better advertisement for stores	Historic Ellicott City	\$\$\$
Crosswalks throughout Main Street	You have to jaywalk to go across the street - left side of Main St. businesses suffer.	Better flow of traffic	Historic Ellicott City	\$-\$\$
From thoroughfare to destination	High speeds on Main St. through West End are a significant problem (particularly on West End). Install larger speed limit signs and a speed camera. Use fines to fund other EC needs.	Currently, West End residents live on a highway. High volume thru-traffic to/from Catonsville is a detractor to EC's charm. Reducing commuter traffic could make EC feel more accessible for visitors and more safe for residents.	Historic Ellicott City and West End	
More people, less cars	More crosswalks, less parking, bus service	Will reduce the need for parking and free up space for stormwater	Ellicott City	\$\$\$
No cars on Main St	Widening pedestrian sidewalks for safety and eliminate cars on Main St	Protect buildings from long term damage of cars as debris; create	Ellicott City	\$\$
Sidewalks	Develop a prototypical sidewalk design that is attractive; yet can withstand water	Make the town more attractive and flood proof	Ellicott City	
Ellicott City Walkability	Sidewalk trails that extend from business districts to neighborhoods is not safe. Extend walking bridge over the river to connect Balt Co to EC to #9 Trolley Trail	Impact on economy and addition of tourists	Ellicott City	\$\$\$\$
"Welcome to the West End of Main St." sign	Put a sign up at Rogers to show where old EC begins	Designate EC as a place	Historic Ellicott City	\$
Community Outreach	<ul style="list-style-type: none"> <li>Communication strategy to private owners (Main St. specific)</li> </ul>	Private owners undertaking rebuild/reconstruction will likely want to take protective measures for their own property. Instilling unity of effort for a comprehensive flood	Historic Ellicott City	\$
	<ul style="list-style-type: none"> <li>Focus is "unity of effort" and message includes what NOT to do during reconstruction</li> </ul>			
	<ul style="list-style-type: none"> <li>Be a good neighbor; don't make the problem worse</li> </ul>			

EC Water Capture	Redesign parking areas and streets where appropriate to capture, store and release stormwater. Use pervious pavement, green roofs and underground storage on parking structures where appropriate.	This approach will reduce flood risk and can be done in an aesthetically appealing way that fits the historic character of Ellicott City.	Historic Ellicott City	\$\$\$-\$\$\$\$
SWM Reboot 2017	Rebooting SWM within already developed communities with no current stormwater facilities. Utilize public lands like parks, open space, and under large parking lots to create regional facilities and underground facilities to provide additional detention.	This project would help to reduce floods from larger style storms that create the type of destruction seen in Ellicott City.	Historic Ellicott City	\$\$\$\$
	Explore moving water beneath Main St.	Reduce damage to infrastructure, building, lost lives.	Historic Ellicott City	\$\$\$\$
	Explore ponding on all property in watershed	Reduce damage to infrastructure, building, lost lives.	Historic Ellicott City	\$\$\$\$
	Waterproof EC	Reduce damage to infrastructure, building, lost lives.	Historic Ellicott City	\$\$\$\$
Pervious pavers with retention	Repave Main St. with pavers 2' – 5' of stone to provide both retention and conveyance. Use the same technique for parking lots	Adds historical character to Main St. while serving as water control solution.	Historic Ellicott City	\$\$\$
Concrete replacement	Replace sidewalks/paved surfaces with permeable concrete	Retain more water; save town	Historic Ellicott City	\$\$\$\$
Water pipe @ West End	Restructure the pipe at West End of Frederick Rd.. Widen the pipe to allow more water flow. Small pipe caused more water to flow over and out of branch onto roadway.	Correct drainage to avoid future flood or overflow of branch	West End	\$\$
Culvert changes	Making the culverts larger so the water can flow instead of backing up	If the water is flowing it will not flood the properties and homes. It will also help with stream	Valley Meade	\$\$
Water control and river retainment	Preserve land from washing away, which has happened.	Restoring property value to previous tax assessment	Historic Ellicott City	
Pumpin' pools	Create pools to hold water then pump water to holding tanks w/ slow release	Slow/reduce water; save town		

Ecological Restoration	Restore the ecology of all development in Main St Watershed	Quote from EO Wilson	Historic Ellicott City	\$\$\$\$
	Retention ponds for Rt. 29 & west of Rodgers Ave. across from Chaple View/north of Patapsco River on Rodgers Rd. below Pappions driveway		Historic Ellicott City	\$\$\$
Retention pond	Retention pond to hold 29 runoff	Slow the flow of future floods	Historic Ellicott City and West	\$\$
SD system construction	Build a storm drain system in backyards to bypass stormwater from steep slopes of the mountain. 8511 Main St. and 8515 Main St.	Nobody can finish indoor improvement unless the outside SD system is done	Historic Ellicott City	
West End Bend	The combined benefit of retention and the threat of toxic runoff make West End Service a great opportunity for flood resilience. The trucking operations can be moved uphill to Normandy given the access to 40, 695 and 29. The site on West End can double as retention area and, when not flooded, a skate park attracting income and highlighting the artistic elements of West End community.	Skate bowl income. West End Service accessible to increased operations. Environmental protection. Community protection from massize quantity.	Historic Ellicott City	
All those retention sites we already know we need	Water retention	Water retention	Historic Ellicott City	\$\$\$\$
Roger Carter Retention Pond	Redirect water from top of hill into a retention pond where the old community center was	Hold water back; save town	Historic Ellicott City	\$\$\$-\$\$\$\$
Upgrade all storm drain features	Existing storm drain features were built several decades ago and need to meet the demands of the recent storms and maint is needed	Reduces the risk of future flooding	Historic Ellicott City	\$\$\$\$
Underground Stormwater Retention System	Construct an underground storm water retention system in Parking Lots D and F to temporarily hold runoff during major rain events. This would be made up of a continuous connected series of large diameter storm pipes, buried below the parking surface, at least 72" in diameter, that would fill up and then drain off at a controlled rate.	This would slow down and control the amount of water that would eventually drain down into the Patapsco River during significant rain events. It may not eliminate the flooding conditions entirely, but, should reduce it to a	Historic Ellicott City	\$\$\$\$



Tiber Creek Diverter	Large storm water pipe beneath Main Street. Flood gate diverts storm water to pipe and river	Bury pipe, bury power lines, cobble stone gutters	Historic Ellicott City	\$\$\$\$
Patapsco River Gate	Sliding flood gate at main street bridge	Prevent river flooding up Main	Historic Ellicott	\$\$\$\$
Parking lot D storm water	Entire lot becomes a storm water retention lake	Divert and hold storm water	Historic Ellicott	\$\$\$\$
Fix West End Hudson stream walls, banks and culverts	Most of the water that flows down Main St and destroyed many buildings including west end residents came from West End	Channel the water to keep in the stream, keep sediments from running in the chesapeake bay, keep residents working instead of	Historic Ellicott City	\$\$\$
Light up town during	Light up Main Street and side streets	People will travel to see lights	Historic Ellicott	\$
Overarching vision	Determine what the EC vision is, historic is a small part of that vision		Historic Ellicott City	
Storm Water Mitigation	To slow the flow of water entering the historic district during extreme rainfall events	It will keep residents, businesses, shoppers from being closed, removed from the Historic	Historic Ellicott City	\$\$\$\$
Pedestal homes West End	Pedestal homes have a small cross section at ground level to impede water flow and allow cars to be parked on side street instead of on street	Such homes would be more flood resistant and also allow ground to quickly absorb water	Historic Ellicott City	\$\$
Stream Channel Access	Business owners, contractors, county personnel, and others need access to the downtown EC stream in the historic district. We need access for maintenance activities, repairs, and post flood inspections. Currently, access is extremely limited making infrastructure repairs and maintenance activity difficult. This would be a floodproof ladder at the fudge shop alley or near Tiber Park	This will help property owners and the county maintain critical infrastructure in the historic district and better respond to emergencies	Historic Ellicott City	\$
Taming the Tiber	Obtain easements and dig the river bed deeper. Reinforce the river banks/walls	We can keep the river's charm and make the town safer. Remove excess sediment and rocks from stream bed allowing	Historic Ellicott City	\$

Market links for artisans of West End	Link West end more to the business district. Provide an opportunity to facilitate linkage between artisits and other people who produce items for sale and link with stores in the business district or have a place to sell them. Also provide business advisory services for such individuals	Income generation, strengthen the community	Historic Ellicott City	\$\$
In-stream Building Identification	Identify all buildings in the downtown historic district on the rear with their address for easy location identification and reference. This will help direct contractors, County and emergency personnel as a reference for repairs and maintenance.	This project will increase efficiency for maintenance and repair work in the downstream channels where it is very difficult to assess and then communicate where problems are located to	Historic Ellicott City	\$
Regenerative Stormwater Conveyance by Courthouse	Create a series of “step pools” to slow and infiltrate stormwater from the courthouse parking lot. There is an existing extremely eroded gully in this location that contributes a tremendous amount of sediment to the EC channels and is filling in a stream and culvert by Lot F.	This project will address an egregious source of sediment to the streams. The project would mostly be on Public Land. The project would provide both water quality and flood mitigation	Historic Ellicott City	\$\$
Patapsco River Rd Street Bioretention Implementation	Implement Patapsco River Rd street bioretentions. Designs have been developed but the project appears to be stalled. Contact: OCS and DPW.	This project will reduce stormwater as well as serve as a traffic calming device on a busy road. The project will	Historic Ellicott City	\$\$
Channel Maintenance	Continue to have the READY conduct regular debris management maintenance in the EC stream channels.	This project is a preventative measure for reducing the potential for clogged culverts and	Historic Ellicott City	\$
Repair existing stormwater system	Repair existing stormwater system including channel walls and structures supporting buildings that span the channels.	These infrastructure improvements are critical support systems for the town, are severely degraded, have not been maintained, do not meet current	Historic Ellicott City	\$\$\$\$

Increase capacity of existing stormwater system	Increase number and/or size of underground stormwater pipes. Create spillways. Create underground storage such as below Parking Lots F and D. Increase size of existing storm water management ponds and add new ponds	The existing system is under-sized for the amount of water that needs to be carried. These upgrades are necessary for sustaining resilient infrastructure.	Historic Ellicott City	\$\$\$\$
Implement floodproofing projects	Implement floodproofing measures on private property to protect existing infrastructure.	Implement floodproofing measures on private property to	Historic Ellicott City	\$\$
Create new funding / implementation models	Create new funding models such as a technical assistance program on the local level modeled after FEMA; state and federal grants; technical assistance to businesses and homeowners; tax incentives; and cooperative programs	This project will help the local economy, create resilient infrastructure and preserve the historic character by instituting funding mechanisms for project	Historic Ellicott City	\$
Create projects that combine increased stormwater capacity and urban design	Create projects that combine increased stormwater capacity and urban design such as: Widen and deepen beds and develop recreation areas; Create step ponds; Partner with Baltimore Gas and Electric (BGE) on flood mitigation projects in its corridor; Creation of a park/city attraction that doubles as stormwater storage; and Creation of a rock quarry that doubles as a stormwater	These infrastructure improvements will mitigate flood damage and therefore help to sustain resilient infrastructure.	Historic Ellicott City	\$\$\$\$
Stream Channel Access	Provide an access point to the stream channel in the downtown historic district below Old Columbia Pike, at the alley just east of Sweet Cascades or at the bridge by Tiber Park. The access would be a floodproof ladder attached to the side of a building or otherwise fixed in a secure manner.	This project will allow for needed maintenance and monitoring activity in a section of the stream that is extremely difficult to access. Access would be provided to building owners, County personnel and	Historic Ellicott City	\$
Channel Maintenance	Conduct regular debris management maintenance in the EC stream channels.	This project is a preventative measure for reducing the potential for clogged culverts and	Historic Ellicott City	\$

Conduct routine monitoring	<p>Monitor the Tiber and Hudson channels along with the tributaries that empty into the Tiber and Hudson on a scheduled basis of four times per year. Monitor for any blockages, side wall failures or potential side wall failures that could cause future problems. In addition to the scheduled inspections the stream channels should be inspected after every significant storm event for any accumulated debris. The flow station on the Hudson located at the Ellicott City Colored School should have an audible and visual alarm added. In addition to this alarm station, a second alarm station should be added where the Tiber and Hudson merge behind the Visitors Center. A third station behind the old bakery on Main Street would provide valuable comparative data on the less developed watershed of the Autumn Hill Branch and New Cut Road. The use of drone technology to help with the monitoring may be an</p>	<p>Real time monitoring of waters levels and flow rates in the Tiber and Hudson along with adjoining streams would be beneficial for analysis and archiving.</p>	<p>Historic Ellicott City</p>	<p>\$\$</p>
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Implement Education Campaign	<p>Implement education measures such as: Maintain the Historic Ellicott City Flood Workgroup web page for all information related to Historic Ellicott City flooding. This would include flood mitigation preparedness techniques, technical resources, grant programs and videos about past floods and flood preparedness. Initiate community-level planning for emergency preparedness. This would include information about sand bags, monitoring and disseminating information from stream gages, dedicated communications and recovery efforts. Promote awareness of stormwater quantity and quality. Stencil storm drains in Historic Ellicott City with “Drains to Patapsco River” and “Nothing down the drain but rain.” Encourage the use of rain gardens, rain barrels and bio-retention areas. Investigate involving the Boy Scouts and local High Schools. Partner with relevant volunteer groups such as the Patapsco Heritage Greenway, Ellicott City Partnership, etc.</p>	<p>In a world where climate changes are somewhat unpredictable and building developments can change the flow of stormwater in Historic Ellicott City, Howard County should reach out to developers, commercial interests, business owners and residents with the latest information about techniques to control and mitigate floodwater.</p>	Historic Ellicott City	\$\$
Provide flood mitigation programs	<p>Existing programs should be supported or enhanced and new programs be developed and implemented. Continue to support 1) Restoring the Environment and Developing Youth (READY), Patapsco Heritage Greenway, and other NGOs; 2) Offer tax incentives to homeowner associations, businesses, and other groups to implement infrastructure remediation; 3) public / private partnerships should be sought for funding infrastructure improvements and increasing awareness of flood issues; and 4) a new program should be created to identify and implement floodproofing projects with incentives provided as</p>	<p>This project will help to achieve all goals by supporting existing program and creating new programming to support and incentivize infrastructure improvements.</p>	Historic Ellicott City	\$\$\$

Tiber River Access	Flood proof access ladders into the Tiber at Tiber Alley and Lot D	This project will provide access to the Tiber for bi annual cleanings and inspections, to remove debris and to ensure	Historic Ellicott City	\$
Improve courthouse parking lots for stormwater management	Redesign the upper impervious parking lots to better manage stormwater runoff.	Limit stormwater runoff into the historic district and pollutants into the Bay by better managing it on publically owned properties	Historic Ellicott City	
Channel Widening	Widen the channel per page 33 of the McCormick Taylor flood study	Allow a bigger path for the creek to flow through	Historic Ellicott City	\$\$
Add Storm Drains	Add storm drains as proposed by McCormick Taylor study page 40	See Study for water flow reduction	Historic Ellicott City	\$
Water diversion around B/O	Create an alternative path for water around Frederick Rd/Main St and B/O Museum	Increase volume of water going into Patapsco River	Historic Ellicott City	\$\$\$\$
Bigger culverts	Make culverts bigger	Keep water in channels	Historic Ellicott City	\$\$\$\$
Retention Pond Retro Fit	Retrofit existing retention ponds to today's standards	Slow / Hold water	Historic Ellicott City	\$\$
Add retention ponds for	Hold more water	Reduce flow risk	Historic Ellicott City	\$\$\$\$
Add dry wells/underground storage tanks - tax credit	Hold water	Save town	Historic Ellicott City	\$\$\$\$
Creek wall reinforcement	Reinforce creek walls	Slow water	Historic Ellicott City	\$\$\$\$
High water marks through the town	Put high water markers throughout the town	Help visitors understand the impact of the flood throughout	Historic Ellicott City	\$
GPS-based traffic light pre-emption system	GPS-based traffic light pre-emption system (such as Opticom)	Impact goal is to increase the safety (reduce the risks) and increase the efficiency (reduce the time required) for future emergency responses through	Historic Ellicott City	\$\$\$
Improved access to the rear of the buildings	Improved access to the rear of the buildings, to allow 1)better exit discharge and 2)better fire and police department access in the case of an emergency. It could also increase the occupancy type and use of certain buildings.	Impact goal is to reduce the risks to life safety in the event of situations where rapid evacuation is necessary (fire, flash flood) in these historical structures that often do not incorporate modern	Historic Ellicott City	\$\$\$\$

Hardened sidewalk infrastructure		Impact goal is to create an infrastructure that can better withstand a potential similar event, and limit structural	Historic Ellicott City	\$\$\$
Remove unnecessary walls along stream to reestablish floodplain	Channel walls prevent high flows from dissipating and reducing velocity of storm flows - by removing walls water can flow into flood plain areas, especially along north bank of Hudson in West end	Reduce velocity of water and same property flooding	Historic Ellicott City	\$\$\$
Consider purchase of Baltimore Co Mill along	Improve parking / flood management to set cars off of Main St	Reduce cars on Main St	Historic Ellicott City	\$\$\$
Add parking and provide flood mitigation	Temporary parking @ Old Roger Carter and build parking garage on Lot F and retention facilities under Lot D	Reduce the impact of flooding and add parking, which is needed	Historic Ellicott City	
Trolley	Trolley or circulator	Better utilization of parking lots up the hill by using a regularly scheduled, consistent trolley/circulator that could travel	Historic Ellicott City	
Access Easements to the Tiber and the Hudson and other critical tributaries	Create an easement that allows government access to key waterways on private property.	Allow maintenance and access to ensure clear channels, structurally sound retaining walls,	Historic Ellicott City	
Divert Tiber Catrock to			Historic Ellicott	
Renovate Little Plum Tree Branch (North Chatham Road)	Develop retention and upgrade stormwater management of Little Plum Tree Branch. Increase vegetation and remove concrete from channels.	Currently, excessive runoff of pollutants occurs during storms which flows directly into watershed without any retention. Adding native plants and	Chatham/Valley Mede	\$\$\$\$
Stormwater management under parking lots	Add stormwater retention under all of the public parking lots in downtown Ellicott City	Reduce flooding	Historic Ellicott City	\$\$\$\$
Stormwater management / regrading slopes	Regrade steep slopes to make it better for water to flow away. Currently, all water flowing into Ellicott City. Water needs to better flow to other watersheds.	Prevent future floods, better stormwater management	Historic Ellicott City	

River Promenade	A promenade off of Lot B cantilevered over the river. Essentially a big deck to provide access to the river as well.	It would provide an appreciation of the environment and serve as a tourist/community gathering space. Could also be used for	Historic Ellicott City	\$\$
Parking Lot stormwater retention improvements	Increase stormwater retention in large parking lots that feed into the Ellicott City area (bioretention) - Include County parking lots but reach out to owners of the other large areas (condos/apartments, businesses, shopping areas). For private owners - include education, incentives in the form of tax credits & other credits to help	Slow or reduce water flow. Onsite collection & slower percolation to soils. Can improve appearance of lots.	Historic Ellicott City & surrounding areas	
Enforce lower speed limits	Police enforcement of lowered speed limits	Safety	Historic Ellicott City & West End, Rogers Ave,	\$
Improve sidewalks	Widen sidewalks on Main St.. Make them ADA compliant, use permeable materials. Do this all the way up through the West End even if it requires limiting parking on Main St.	More people visiting shops & restaurants. Better stormwater/runoff management. Better quality of life from a more	Historic Ellicott City	\$\$\$
Upgrade sewer infrastructure	Upgrade sewers in critical environmental areas to proactively prevent failures		Howard County	\$\$\$\$
Use of old Roger Carter Center Site (Fels Lane)	Use 1/2 the site for additional parking & 1/2 for natural garden/water retention rain garden. The 1/2 with the garden should be next to the private property so it is somewhat buffered.	It would get perhaps 40 more parking spaces and mitigate water runoff/water pollutants from Ellicott Mills & stream on	Historic Ellicott City	\$\$\$\$
Watershed management	By the time the water gets to Main St., it's too late. Runoff throughout the watershed needs to be managed in a coordinated way - not a bunch of projects meeting some minimum but regional	This is, as we have seen, a life and death matter. From an economic standpoint, if we do not lessen this impact, Historic EC will	Historic Ellicott City	\$\$\$\$
Daylighting of buried river	Convert buried portions of river into daylighted stream connected to floodplain. Where possible convert land adjacent to channel into floodplain	The project will convert the stream into something of aesthetic value while allowing for	Historic Ellicott City	\$\$\$\$



Raise EC	Establish a higher ground plane elevation with the top-of-first-floor building height along Main Street and allow the volume underneath to be constructed as spillway for stormwater overflows. Buildings could be retrofit with additional stories to reclaim basement and first-floor square footage while retaining EC's historic, low profile character.	Through this resilient design intervention EC would be able to stabilize and sustain its economic and community functions while preserving its historic identity for future generations to come.	Historic Ellicott City	\$\$\$
Upper Story Connections	Provide upper story connections, such as new walkways connecting buildings. These walkways could be publicly owned over Main Street. Focus on the most vulnerable areas first (lower Main Street).	This project would increase life safety by offering a new emergency escape route. It could also benefit economics by increasing access to space and	Historic Ellicott City	\$\$\$
Pedestal home	Have an architect design a modular model affordable pedestal home to fit with the West End of Historic Ellicott City, such as the thirteen homes in Indian Run Village, Cacapon South, West	This would place living quarters one floor up and allow vehicle parking onsite and off-street. Future homes built in the West	Historic Ellicott City	\$
Retaining Wall for St. Luke's AME	Constructing a retaining wall and sidewalk for St. Luke's.	Maintains historic character of the church and contributes to the	Historic Ellicott City	\$\$\$
Quarry	Seek business partnership to dig a quarry near Main St., sell the granite and develop stormwater capacity	Potential zero cost increase of storm water retention	Historic Ellicott City	\$
Parking/flood/mixed use structures	For existing parking lots - D (behind Post Office); behind firehouse; old Roger Carter area: Build new structures: 1) stormwater in basement/subbase. 2) Parking decks. 3) Retail/office/apartments. Can create 100-150 new spaces beyond those needed for new structure while providing SWM for the facility + for areas without SWM - Public Private Partnership	Create new jobs. Create tax base - about 30-100 million. Create flood control that doesn't exist now. Similar structure can be built at Roger Carter to replace court house	Historic Ellicott City and all of Howard County	\$-\$\$\$\$
Flood Control Dam - New Cut Branch	Build a flood containment dam on New Cut Branch coming in to the Tiber between St. Paul St. and Old Columbia Pike, behind Oella Lane. Dam would not retain water except in flood situation; when no flood, no retention - normal flow of stream. - top of dam an be walking path to connect communities of Taylor Village and Stonecrest	1. Decrease future floods and the economic + personal losses of floods. 2. Increase connection of Historic Ellicott City to other surrounding communities with more visitors + positive economic impact on EC.	Historic Ellicott City	\$\$\$-\$\$\$\$

Flood control	Consider deepening Tiber Channel where possible. Alternate would be major tunnel under Main St.	Reduce flooding	Historic Ellicott City	\$\$\$\$
Floodproofing building openings (doors + windows)	Replace doors and windows / make them floodproof to prevent / reduce structural	Reduce losses and make structures more resilient	Historic Ellicott City	\$\$
Stormwater Management Ponds	Build dry stormwater retention structures upstream + concrete underground stormwater retention facilities parallel to or under Main St.		Historic Ellicott City	\$\$\$\$
	Dredge the streams and have the county maintain them. Burrow under Ellicott Mills and Main St. to install large conduit. Have streams & roads drain overflow into conduit	flood mitigation	Historic Ellicott City	\$\$\$\$
	Tax abatements for all businesses. Fast track for permitting. Co-op advertizing on radio, TV, internet. Events, events, events!!! Parking structures on lots F & A plus at courthouse		Historic Ellicott City	\$\$\$\$
Raised crosswalks	Install raised crosswalks out of cobblestone since streets used to be cobblestone to allow pedestrians to cross the street and slow traffic	Would allow easier access to shops and slow the traffic. These were approved 4 years ago at	Historic Ellicott City	\$\$\$
Ellicott Mills Park	Redesign Lot F , old Roger Carter site and the Fort Hein property into a community park surrounding Lot F - could include flood control, community gardens, plazas, amphitheater	Will attract outdoor events and add casual recreational space for visitors and residents	Historic Ellicott City	\$\$\$\$
Use what is available	Remove buildings on South side of Main St. Widen sidewalks on North side. Move Frederick Rd. S 6-10'. Create parkway/water conveyance system of Tiber River to Patapsco River - draw people to	It will allow water to drain, redevelopment on N side buildings to upscale boutique/restaurant row	Historic Ellicott City	\$\$\$\$
Joint county parking garage not free, but fair	Use Parking Lot A as the venue/site for a parking garage & consider the region more globally - not by County but as Ellicott Mills/Oella	Would lead to more rec/trolley trail/other trails/picnics - river walk etc. on the Oella side	Historic Ellicott City and Oella	\$\$\$\$
Robust, meaningful Run-off control	Run-off control: Limit watershed development + impervious surfaces. Water diversion: ponds/drains, redirecting channels etc.	Impact force and flows of water funneling into rocky channel that Main St. is	Historic Ellicott City	
Keep Our Culverts Clear	On site inspections on regular basis. Alert the locals to report. See something - say something.	Helps to increase water flow	Historic Ellicott City	\$

Access for all	Rebuild so that there is better handicap access	Will be more accessible to senior citizens and people who have disabilities, use wheelchairs,	Historic Ellicott City	
Parking garage	Add a parking garage on top of Lot D	Increased parking; safety for	Historic Ellicott City	\$\$\$\$
Resilient first floor	Move utilities. Use resilient materials.	Reduce cost of rebuilding. Reduce cost of insurance.	Historic Ellicott City	\$\$\$\$
Deepening of Tiber Channel and directing flow into river	Deepen the channel and send water directly into Patapsco by an underground channel under railroad museum	Hopefully it would mitigate flooding events	Historic Ellicott City	\$\$\$\$
Water retention	Instead of looking for every available green space for new development, look for opportunities for flood water retention		Historic Ellicott City	\$\$\$
Flood Storage Projects to Evaluate in McT's Model	Assess effectiveness of specific flood storage and stormwater management projects to mitigate flooding in McCormick Taylor's 2D modeling. Move forward with project implementation as determined and prioritized from the overall modeling effort. GIS shapefile of specific projects can be found here: <a href="https://drive.google.com/file/d/0ByJr6qdZRI fzMGJ0LTBwQmVmLXM/view?usp=sharing">https://drive.google.com/file/d/0ByJr6qdZRI fzMGJ0LTBwQmVmLXM/view?usp=sharing</a>	Assess the effectiveness of specific projects identified by CAG and flood workgroup members. Re-assess some projects identified in the CWP Tiber Hudson Subwatershed Restoration Action Plan. Contact: Lori Lilly and Ron Peters	EC watershed	\$\$\$\$
Channel Maintenance Easement	Obtain easements all along the EC stream channels for County and County contractors so that routine maintenance activities can be conducted without the need for right of entry permissions.	It is for the public benefit that the channels be maintained on a regular basis. The need for right of entries impedes effective and timely implementation on a routine basis and after storm events. Easements can take the	Historic Ellicott City	\$

Handicapp access	Provide parking both sides of Main St for disabled access staggered to enable shop access for the handicap. The length of walking and accessibility prevents access that can be added easily with a few spaces each side on Main St.	Currently the walking length fails to provide access on Main St to those disabled whereby income loss to shop owners could be availed. This has been a problem for those disabled preventing visitation to shops, family and friends without obtaining another	Historic Ellicott City	\$
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